

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Application No. 10/092,449

Atty Docket No. Q68880

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Previously Presented) A reflection type liquid-crystal display apparatus comprising:

a light source; and

a liquid-crystal display device including a lower substrate provided with a reflection plate, an upper substrate provided with a transparent film on which a light-reflecting element is provided for reflecting transmitted light toward the lower substrate side, and liquid crystal held between said lower substrate and said upper substrate, said light source being disposed at an end surface of said upper substrate, said liquid-crystal display device being configured so that light incident onto a surface of said upper substrate opposite to a contact surface of said upper substrate with said liquid crystal is reflected by said reflection plate of said lower substrate so as to exit from said surface of said upper substrate opposite to said contact surface of said upper substrate with said liquid crystal,

wherein at least one of end surfaces of said upper substrate except the end surface on which said light source is disposed is coated with a reflection layer, and

wherein an end portion of said upper substrate is protruded more than a corresponding end portion of said lower substrate so that said light source is disposed on said protruded end surface of said upper substrate.

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2. (Original) A reflection type liquid-crystal display apparatus according to claim 1, wherein said reflection layer is constituted by a selected one of a reflection film, a reflection sheet and a reflection plate stuck onto said end surface.

3. Canceled.

4. (Original) A reflection type liquid-crystal display apparatus according to claim 1, wherein said reflection layer is provided on an inner surface of a frame so that at least one end surface of said liquid-crystal display device is disposed closely on said frame.

5. (Original) A reflection type liquid-crystal display apparatus according to claim 4, wherein a selected one of a reflection film, a reflection sheet and a reflection plate is stuck onto said inner surface of said frame.

6. (Original) A reflection type liquid-crystal display apparatus according to claim 4, wherein said inner surface of said frame is made of a metal plate having a light-reflecting function.

7. (Original) A reflection type liquid-crystal display apparatus according to claim 1, wherein a polarizer is disposed on said surface of said upper substrate opposite to said contact surface of said upper substrate with said liquid crystal.

8. (Previously Presented) A reflection type liquid-crystal display apparatus according to claim 7, wherein an end portion of said polarizer is protruded more than a corresponding end

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portion of said lower substrate so that said light source is disposed on said protruded end surfaces of said upper substrate and said polarizer.

9. (New) The apparatus of claim 1, further wherein said corresponding end portion of said lower substrate includes a sealing material, such that said corresponding end portion of said lower substrate and said sealing material both protrude less than said at least one end surface of said upper substrate.